

**California State University, Fresno**  
**Electrical and Computer Engineering Department**

**ECE 71 – Introduction to Computational Programming**  
Professor Kriehn – Fall 2017

Due Date: Midnight on Wednesday, August 30, 2017

Work through the first five HOWTOs on the ECE 71 webpage at <https://optics.csufresno.edu/>. The HOWTOs will teach you how to:

1. Login to **ezekiel.engr.csufresno.edu** from a remote computer.
2. Setup “**alpine**” on **ezekiel** to receive mail from the grader program.
3. Use the text editor “**nano**”.
4. Compile a program using “**gcc**”.
5. Submit homework to the grader program and check the results using “**alpine**”.

Once you have learned the basics of **nano** (after Part 3, but before Part 4), open up the source code to “**distance.cpp**”, which is found at:

<https://optics.csufresno.edu/~kriehn/teaching/ece71/examples/Chapter01/distance.cpp>

The file is in a password protected directory. Use the web credentials that were given to you in class to access the code.

Use **nano** to type in the contents of “**distance.c**”, but save the file as “**hw01.cpp**”, NOT “**distance.c**”. Once the contents of the source file are complete, save and exit **nano**. Follow the rest of the HOWTOs to learn how to compile your code, execute your code, test compiled code, and submit your source file to the grader program. Once your homework is submitted, use **alpine** to check if the grader program successfully accepted your source code. If not, open the source file (“**hw01.cpp**”) in **nano** to edit it. Then save the file, exit **nano**, and re-compile, re-test, and re-submit your code until it has been accepted successfully. Once you receive a congratulations e-mail from the grader program, you will have completed HW #1.

The next two HOWTOs on the ECE 71 webpage are useful to learn several basic commands in Linux, and how to securely copy files between two computers using the Graphical User Interface (GUI) provided by WinSCP.

For now, ignore the last three HOWTOs which discuss NetBeans.